



6990 Corporate Drive, Indianapolis, IN 46278

November 3, 2006

Ms. Sara Westrick Corbin
Indiana Finance Authority
c/o Indiana Brownfields Program
100 North Senate Avenue
Room 1275
Indianapolis, Indiana 46204

Re: IFA – Request for Qualifications
Remediation Services

Dear Ms. Westrick Corbin:

Industrial Waste Management Consulting Group, LLC (IWM Consulting) is pleased to present three (3) paper copies of our proposal to the Indiana Finance Authority. This proposal has been created in accordance with the instructions provided in the solicitation and in the suggested format. IWM Consulting has carefully examined the solicitation and we are confident that we have a complete understanding of the requirements, objectives, and expectations. We firmly believe that our proposal will convincingly demonstrate our ability to successfully execute all of the required services to the full satisfaction of the Indiana Finance Authority.

If you have any questions regarding this proposal, please contact the undersigned at (317) 347-1111, Extension 114.

Sincerely,

IWM Consulting Group, LLC

A handwritten signature in blue ink, reading 'Bradley E. Gentry', followed by a large, stylized flourish that extends to the right.

Bradley E. Gentry, LPG
Senior Project Manager



IFA Remediation Services Proposal

IFA REQUEST for QUALIFICATIONS REMEDIAION SERVICES

Prepared For

**Indiana Finance Authority
c/o Indiana Brownfields Program
100 North Senate Avenue, Room 1275
Indianapolis, IN 46204**

Attn: Ms. Sara Westrick Corbin

Proposal Date: November 3, 2006

Prepared by:

**IWM Consulting Group, LLC
6990 Corporate Drive
Indianapolis, IN 46278
Telephone No. (317) 347-1111
Fax No. (317) 347-9326**

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1.0 GENERAL INFORMATION

In accordance with the outline provided in the Indiana Finance Authority-Request for Qualifications (IFA-RFQ), issued on October 19, 2006, the following section summarizes general information relating to Industrial Waste Management Consulting Group, LLC (IWM Consulting) and our ability to fulfill the requirements of this IFA-RFQ. As part of this Petroleum Remediation Grant (PRG) initiative, the IFA has divided the State of Indiana into seven (7) distinct geographical regions. A copy of the map displaying the seven (7) different geographical regions is included in Appendix A.

Designation of Point of Contact & Associated Contact Information

Mr. Brad Gentry will be the main point of contact (POC) and the project assigned Senior Project Manager for the first PRG region assigned to IWM Consulting. Mr. Gentry will act as a liaison between the communities and the designated IFA Brownfield Project Manager. Mr. Gentry will participate in all community outreach programs and public meetings as deemed necessary by the community or the IFA Brownfield Project Manager. Mr. Gentry will also ensure that the IFA Brownfield Project Manager receives regular updates regarding the progress of the PRG Initiative project. Mr. Patrick Rohan will be main POC and the project assigned Project Manager if IWM Consulting is awarded a second PRGI region. The pertinent contact information is summarized below.

Firm Name:	Industrial Waste Management Consulting Group, LLC
Business Address:	6990 Corporate Drive, Indianapolis, IN 46278
Web Site Address:	iwmconsult.com
Contact Name:	Bradley E. Gentry, LPG
Contact Email:	bgentry@iwmconsult.com
Contact Telephone:	317-347-1111, Ext. 114
Contact Fax:	317-347-9326
POC #1:	Bradley E. Gentry, LPG #2165
POC #1 Title:	Senior Project Manager
POC #1 Email:	bgentry@iwmconsult.com
POC #1 Telephone No.:	317-347-1111, Ext. 114
POC #2 (if applicable):	Patrick E. Rohan, CHMM #8050
POC #2 Title:	Project Manager
POC #2 Email:	prohan@iwmconsult.com
POC #2 Telephone No.:	317-347-1111, Ext. 113

Mr. Gentry and Mr. Rohan are both located in the Indianapolis, Indiana office located at 6990 Corporate Drive.

IWM Consulting, LLC – History, Capabilities, & Benefits of IWM Consulting, LLC

History: IWM Consulting is a domestic limited liability corporation established in January 2006. IWM Consulting was incorporated in the State of Indiana. On May 27, 2006, IWM Consulting purchased the assets of the Indianapolis office of Handex Consulting and Remediation – Midwest, LLC (HCR Midwest). Handex established an office in the Indianapolis area in January 1996 and performed work for various clients, including numerous municipal clients. IWM Consulting hired key personnel from HCR Midwest.



IWM Consulting currently employs 12 professional staff and 2 administrative members, with 8 of the professional staff members having previously been employed by HCR Midwest prior to the asset purchase. Information pertaining to officers, directors, and other pertinent information pertaining to IWM Consulting are summarized in the table below.

FIRM IDENTIFICATION & BACKGROUND INFORMATION

Company Name	Industrial Waste Management Consulting Group, LLC
Company Mailing Address	6990 Corporate Drive, Indianapolis, IN 46278
Chief Executive Officer	Mark Matthews
President	Troy Smith
Director of Environmental Services	Greg Scarpone, LPG
Director of Construction Management	Keith Mershon
Legal Formation	Domestic Limited Liability Corporation
State Incorporated	Indiana
Year Established	2006 (purchased HCR Midwest office on 5/27/06; The HCR Midwest Indianapolis office was established in 1996)
Firm's Federal ID	76-0819743
Firm's IN Tax ID	0123693470

Capabilities: IWM Consulting currently employs four Licensed Professional Geologists, one Certified Hazardous Material Manager, one Certified Waste Water Treatment Operator, and two engineers (one Professional Engineer). The aforementioned staff has a combined 86 years of experience in environmental assessment and remediation projects with approximately 61 of those years specific to Indiana at over 400 different properties. The staff has performed this environmental work for major oil companies, regional petroleum jobbers and convenience store chains, independent operators, private industry, Fortune 500 companies, and municipalities. The types of tasks completed are consistent with the tasks outlined in the IFA-RFP and are as follows: Divestment & Acquisition Assessments, Phase I & II Site Assessments, Soil Gas Surveys, Contaminant Trend Modeling, Corrective Action Plan Preparation & Implementation, Regulatory Compliance Soil & Groundwater Sampling, Regulatory Compliance Reporting, UST Closure Oversight & Sampling, RISC Assessments, Wastewater Management & Reporting, SPCC Plan Preparation, Erosion Control Monitoring, Natural Attenuation Evaluations, Remediation Feasibility Studies, Remedial System Design and Installation Oversight, Remedial System Operation & Maintenance.

The IWM Consulting staff has also worked with numerous municipalities regarding identification of Brownfield sites since 1998. Once the sites were identified, IWM Consulting staff would assist the municipalities/communities in completing and submitting applications pertaining to site assessment and remediation grants. Consequently, IWM Consulting staff has gained considerable experience working directly with representatives of communities and the Indiana Brownfield staff. IWM Consulting has also established a relationship and ongoing line of communication with numerous economic development directors and organizations.



Benefits: IWM Consulting will benefit the PRG initiative and the IFA by aggressively researching and identifying potential Brownfield sites in the communities within the assigned PRG Region. IWM Consulting has considerable experience relating to Brownfield sites and thus has established a professional relationship with numerous municipalities, economic development organizations, and the Indiana Brownfield Group staff. IWM Consulting is intimately familiar with the Bravelo Web Page, the PRGI application process, and the requirements of developing and submitting site specific work plans and cost estimates. Consequently, the IWM Consulting staff has the experience on these types of projects that will allow for the work tasks to be initiated immediately, without incurring unnecessary delays relating to learning curves involving the PRG program.

Not only does IWM Consulting staff have experience identifying Brownfield sites on an individual basis located throughout numerous Counties across the State of Indiana, but the IWM Consulting staff also has experience with completing a comprehensive inventory of Brownfield sites in a concentrated area. IWM Consulting was recently retained by the City of Indianapolis to conduct a Phase I ESA Area Survey that encompassed an area of 520 square acres and included over 1,800 parcels (Subject Area). IWM Consulting completed the record review, field work, data evaluation, and subsequent report writing within 30-days of being awarded the contract. IWM Consulting partnered with the University of Indianapolis to develop an interactive Geographical Informational System (GIS) map that color coded the sites of concern within the Subject Area over the 2005 Aerial Photograph. A hyper link for each site of concern allowed for a site specific Environmental Flyer to be viewed by simply clicking on the selected site. The Environmental Flyer included a site specific photograph, an aerial photograph, and a summary of the information discovered during the site inspection and associated City Directory, Sanborn Fire Insurance Map, and Historical Aerial Photograph reviews.

IWM Consulting has approached representatives from the University of Indianapolis regarding creating a similar interactive GIS map for each region that IWM Consulting is awarded. This will allow the information obtained by IWM Consulting during the first phase of the PRG initiative to be saved electronically on an interactive GIS Map. The exact format and type of information provided on the site specific Environmental Flyer and the information displayed on the GIS Map will be determined through discussions with IWM Consulting, designated IFA Brownfield Project Manager, and a representative from the University of Indianapolis – GIS Department.

Troy Smith, the President of IWM Consulting, is the project assigned Transportation and Disposal Procurement specialist. Mr. Smith has over 10 years experience working as an Indiana Landfill sales representative. In this role, Mr. Smith managed the procurement of all transportation and disposal aspects for over a 1,000 projects. This experience enabled Mr. Smith to develop a vast knowledge of the Indiana Landfill industry, thus establishing numerous contacts throughout the transportation and disposal arena in the State of Indiana and surrounding states. This experience allows Mr. Smith to procure the most cost effective disposal scenario once a PRG site has been identified.



IWM Consulting, LLC – Ability to Meet the PRG Initiative Needs & Timeframes

IWM Consulting understands the Proposed Scope of Work as it is outlined in the IFA- RFP (paged 3 & 4). IWM Consulting is qualified and capable of performing the tasks outlined and is certain that the timelines associated with completion of these tasks will be met.

As previously discussed, IWM Consulting currently employs four (4) Licensed Professional Geologists, one (1) Certified Hazardous Material Manager, one (1) Certified Waste Water Treatment Operator, and one (1) Professional Engineer. Six (6) of the IWM Consulting employees qualify as an “Environmental Professional” as defined by the US EPA’s All Appropriate Inquiry standard for Phase I Environmental Assessments. IWM Consulting has also established great working relationships over the years with other firms that offer services that IWM Consulting does not self perform. These services are as follows: geophysical surveys, laboratory services, drilling services, drum/container removal, underground storage tank (UST) removal and associated soil excavation activities. IWM Consulting completes the necessary permitting/notifications and conducts the compliance soil and groundwater sampling activities associated with the UST removal/drilling projects but do not have the construction/drilling equipment required to physically perform the UST removal/drilling tasks.

The IWM Consulting staff has performed work at municipalities throughout the State of Indiana since 1996, including numerous Brownfield sites. In particular, the IWM Consulting staff has been associated with assessment activities at fourteen (14) Brownfield sites and remediation activities at four (4) Brownfield sites. The IWM Consulting staff has also attended numerous seminars and training sessions as they relate to Brownfield education/programs. This experience and training proves that IWM Consulting has the knowledge & ability to identify potential Brownfield sites, assist communities in preparing and submitting Brownfield Grant applications, preparing/submitting site specific work plans, conducting the field work, preparing/submitting site specific reports, and to effectively communicate with representatives from municipalities as well as representatives from the Indiana Brownfield Group.

In respect to meeting the timeframe set forth in the Calendar portion of the IFA-RFQ, IWM Consulting staff have historically been contracted to complete large, complex projects within very short time frames. The work has been completed on time, within the allotted budget, and in a professional manner. Examples of these types of projects are as follows:

- Conducted a Phase I ESA Area Survey that encompassed an area of 520 square acres and included over 1,800 parcels. The historical record review, site inspections, data evaluation, and reporting writing were completed within 30-days of being awarded the contract.
- Performed 23 Real Estate Transaction Screening Assessment reports (tasks performed included site visits, record searches, and report preparation) within a 4-week timeframe. The sites were located throughout Indiana and Illinois.
- Coordinated, developed, and implemented a composite surface soil sampling (for PCB contaminated properties) project for a litigation case. Composite samples were obtained from 23 separate parcels encompassing 1,000+ acres over a one-week timeframe.
- Conducted site visits and prepared Spill Prevention Countermeasure and Control (SPCC) plans for over 80 bulk terminal facilities throughout the United States. The work was completed within a two month timeframe.

As indicated above, IWM Consulting is capable of taking on large projects that require quick turnaround times. The requirements and timeframes outlined in the IFA- RFP are not unlike some of the projects we have encountered historically and IWM Consulting has been able to meet or exceed the project expectations.



IWM Consulting, LLC – Identification & Biographical Information of Key Staff Members

Brad Gentry will be the project assigned POC if IWM Consulting is awarded one PRG Region. Patrick Rohan will also be a project assigned POC if IWM Consulting is awarded a second PRG Region. The project assigned POC will be the main liaison between IWM Consulting, the communities, and the designated IFA Brownfield Project Manager. The project assigned POC will provide the designated IFA Brownfield Project Manager with regular updates and attend any public or private meetings that are deemed necessary by the community or the designated IFA Brownfield Project Manager. The project assigned POC will also be responsible for the overall organization of the Project Team, assigning tasks to each member of the Project Team, and ensuring that the tasks are implemented and completed within the timeframe outlined in the Calendar portion of the IFA-RFQ. Mr. Gentry was the project assigned POC and Mr. Rohan was the designated Environmental Professional for the recently completed Phase I ESA Area Survey for the City of Indianapolis.

A description and qualification summary of IWM Consulting personnel that will be intricately involved in the PRG Initiative project are summarized below.

Bradley E. Gentry, LPG: Mr. Gentry has more than 12 years of diverse technical experience in environmental consulting and is a qualified AAI “Environmental Professional”. Mr. Gentry has a specialized expertise in Phase I and Phase II site assessments, petroleum remediation projects, and portfolio management. Mr. Gentry's technical experience includes supervising and conducting hundreds of subsurface investigations, supervising, installing, and performing operation and maintenance activities on various types of remedial systems (combination air sparge & soil vapor extraction, dual phase extraction, and groundwater pump and treat), conducting soil gas and vapor intrusion studies, acquisition/divestment assessments, technical report preparation and QA/QC review of technical reports prior to final submittal to the client or regulatory agency. Mr. Gentry previously managed a Major Oil company portfolio with over 120 sites and was the lead regulatory negotiator and main point of contact for the client. Mr. Gentry was also responsible for ensuring that all of the sites were in compliance with the applicable regulatory agency requirements while reducing the overall cost of the environmental remediation projects. Mr. Gentry also has extensive experience relating to identification of Brownfield sites, communicating with community and regulatory representatives, and developing and implementing work plans at the Brownfield sites.

Patrick E. Rohan, CHMM: Mr. Rohan is a Certified Hazardous Materials Manager (CHMM) and is employed as a Project Manager for IWM Consulting. Mr. Rohan has 12 years of professional experience and is a qualified AAI “Environmental Professional”. His responsibilities include preparation of technical reports (Corrective Action Plans, Phase I and Phase II ESAs, UST Investigations, Brownfield and VRP Investigation & Remedial Work Plans). Additional responsibilities include advocacy activities with state regulatory agencies regarding site reviews and closure. Mr. Rohan has completed over 300 Phase I ESA projects during his working history. Mr. Rohan also has extensive experience relating to identification of Brownfield sites, communicating with community & regulatory representatives, and assisting in the Brownfield grant application process.



In addition to the principal team members listed above, below is a table outlining representative qualifications/experience of the IWM Consulting team assigned to this project.

PERSONNEL EXPERIENCE MATRIX
IWM Consulting Group, LLC

<u>Name</u>	<u>Title</u>	<u>Years of Experience</u>	<u>Education</u>	<u>Assigned Projects (last 3 years)</u>
Bradley E. Gentry, LPG #2165	Senior Project Manager	12	B.A. – Geology, Hanover College	125
Patrick E. Rohan, CHMM #8050	Project Manager	12	B.A. – Biology/Business Mgmt, Indiana University M.S. – Environmental Science, Indiana University	100
David Hurst, PE	Senior Engineer	20+	B.S. – Building Construction, Auburn University	100
Chris Parks, LPG #2169	Project Hydrogeologist	6	B.S. – Geology, Indiana University	75
Ray Kassab, LPG #1750	Project Manager	16	B.S. – Geological Services, Penn State University	50
Greg Scarpone, LPG #2030	Director of Environmental Services	18	B.S. – Earth Sciences, University of Indianapolis M.S. – Geology, Ball State University	250
Troy Smith	President	14	B.S. – Animal Science/Agribusiness, Purdue University	50

The resumes for principal IWM Consulting personnel are included as Appendix B. The organizational charts identifying key personnel and their assigned role in the PRG Initiative project is included in Appendix C.

IWM Consulting, LLC - Financial Stability and Strength

IWM Consulting is a privately owned, domestic limited liability corporation established in 2006. As a startup company with an established backlog of contracts; due in part to the asset purchase from HCR, IWM Consulting's assets far exceed their liabilities. IWM Consulting is well funded by private investment and has credit lines provided by two banks. All financial actions of the company are backed by personal guarantees from the investors.

IWM Consulting was established in January of 2006 with one (1) employee and has grown to fourteen (14) employees at the time of this RFP submittal. IWM Consulting is projecting a continued growth of staff for the remainder of 2006 and during 2007.

IWM Consulting, LLC – Health & Safety Practices & Programs

IWM Consulting administers a health and safety program through management personnel and a locally based health and safety coordinator. The health and safety coordinator provides direction for health and safety issues encountered on a local level. The management structure of the IWM Consulting office ensures that health and safety protocols (both internal and external (client) requirements) are followed throughout project performance and allows for the purchase of health and safety equipment needed for specific projects.

All IWM Consulting employees performing work on client sites receive OSHA HAZWOPER training



and yearly refreshers. Additional training such as confined space entry, hazard communication and internal procedure training is also performed as needed. A monthly health and safety meeting is conducted at the beginning of each month and is used as a roundtable discussion for a selected topic of particular interest to IWM Consulting personnel. IWM Consulting personnel also conducts a “safety minute” prior to weekly staff meetings to share health and safety issues experienced throughout the company during the previous week.

IWM Consulting prepares site specific Health & Safety Plans (HASPs) for each project site prior to initiating the field work. Task specific Standard Operating Procedures (SOPs) and Job Safety Analysis (JSAs) are included as part of the HASP. The HASP is reviewed by the onsite personnel and with all subcontractors prior to initiating the field work. Additionally, in an effort to minimize the risk of encountering subsurface utilities and structures during drilling activities, a hand auger is utilized to advance each soil boring for the first five (5) feet prior to advancing the drilling rig.

IWM Consulting staff has never had an OSHA recordable injury while performing their services over the past five (5) years.

Subcontractor Identification

IWM Consulting has working relationships with the following subcontractors by category and anticipates on utilizing one or more of these subcontractors during the course of the PRG Initiative project:

- 1) UST Removal activities
 - Focus Contracting, Inc.
 - McCook Construction, Inc.
 - SCS Environmental Contracting
- 2) Geoprobe and Drilling activities
 - Boart Longyear
 - Environmental Field Services, Inc.
 - SCS Environmental Contracting
- 3) Excavation, Disposal, Transportation and Backfilling activities
 - Focus Contracting, Inc.
 - McCook Construction, Inc.
 - SCS Environmental Contracting
- 4) Laboratory Services
 - Belmont Labs
 - ENVision Laboratories, Inc.
 - Pace Analytical Services, Inc.
- 5) Geophysical & Utility Locating Services
 - Bloodhound, Inc.
 - 4-D Consulting, Inc.
- 6) Drum & Liquid Removal Services
 - ESI Environmental, Inc.
 - Liquid Waste Removal, Inc.
 - UST Environmental Contractors



Additionally, several solid waste handling facilities were contacted directly for disposal, transportation and applicable landfill taxes/fees. The following facilities were contacted:

- Allied Waste
- Blackfoot Landfill, Inc. (Veolia Environmental Services)
- Southside Landfill
- Waste Management, Inc.

During the past several years, IWM Consulting personnel have established a good working relationship with the subcontractors listed above in respect to similar petroleum investigation and remediation projects. Each subcontractor has provided cost-effective approaches to completing the assigned environmental task, was dependable, adhered to all health and safety procedures, provided excellent lines of communication, and displayed a good work ethic.

2.0 COSTS

IWM Consulting has reviewed Section 2 of the IFA-RFP and has summarized the requested cost breakout for each task & region in table format. The tables are included in Appendix D.

It should be noted that the prices provided in the tables represent ranges of prices that IWM Consulting received for that respective region. The exact price will be determined at a later date once the PRG site has been identified and the site specific work scope has been established. IWM Consulting will ensure that the most competitive pricing for that particular area of the region will be utilized when preparing and submitting the site specific cost estimate. Additionally, due to consistent fluctuations in the cost of fuel and the variability in the location of the sites within a particular PRG Region, the mobilization and fuel surcharge costs associated with certain tasks can not be quantified at this time.

3.0 PREVIOUS EXPERIENCE

Petroleum Remediation Experience

IWM Consulting staff has considerable experience relating to petroleum assessment and remediation projects. Although the company has been established for less than one year, the current IWM Consulting staff has worked with numerous major oil companies, regional petroleum jobbers and convenience store chains, independent operators, and municipalities throughout their careers. A summary of IWM Consulting's staff experience over the past two years is included in table format. The table is organized by remedial approach and identifies the corresponding experience of IWM Consulting, the IWM Consulting staff, and the advantages that IWM Consulting can bring to each remedial approach. The table has been included in Appendix E.

Site Closure Information

IWM Consulting has obtained two (2) No Further Action Letters since June 2006 and recently submitted two (2) additional No Further Action Requests. IWM Consulting staff has received eight (8) No Further Action Letters, one (1) Certificate of Completion, and one (1) acknowledgement from the Brownfield Group that the cleanup goals had been achieved at a PRGI site.



A list of the sites that achieved closure status is summarized below:

- Mac Station No. 2235, Hanover, IN (2005 Incident Number)
- Marathon Station No. 2079, Indianapolis, IN
- Marathon Station No. 2467, Kokomo, IN
- Marathon Station No. 2167, Indianapolis, IN
- Marathon Station No. 6351, Peru, IN
- Mobil Station No. 05-HCC, Hammond, IN
- Mac Station No. 6208, Comstock Park, MI
- Mac Station No. 2235, Hanover, IN (1996 Incident Number)
- Bridgeview BP Station, Monticello, IN (2003 Incident Number)
- Bonnel's Gas & Grocery, Royal Center, IN
- Conoco Phillips Station No. 590, Indianapolis, IN (Certificate of Completion)
- Former Shultz Amoco, Winamac, IN (acknowledgement that cleanup goal has been met)

In addition to the sites identified above, IWM Consulting staff has received in excess of 100 additional No Further Action letters since 1996. The clients include Amoco, Marathon, Mobil, Dairy Mart, Mac's Convenience Stores, independent & regional petroleum jobbers, and municipalities.

IWM Consulting, LLC - Fixed Price Remediation Experience

IWM Consulting has recently entered into three (3) PRG agreements and IWM Consulting staff historically entered into one (1) PRG agreement. The communities involved are Dugger, Greencastle, Shirley, and Winamac. The Winamac project has been completed and the staff worked with the Brownfield Project Manager regarding an alteration to the originally proposed scope of work due to the discovery of five additional USTs. However, the additional work was able to be completed within the newly allotted budget. IWM Consulting will initiate the work at the three (3) newly awarded PRG sites in November/December 2006 and will complete the work within the allotted PRG bid amount unless both IWM Consulting and the IFA Brownfield Project Manager agree that a change in work scope has occurred.

4.0 GEOGRAPHIC COVERAGE AREA

IWM Consulting is prepared to participate in the PRG initiative in any of the seven administrative regions. IWM Consulting has experience working on petroleum impacted sites in virtually every county in Indiana and has worked with political subdivisions on various projects in every administrative region. Based on existing relationships with political subdivisions and various economic development groups, IWM Consulting submits the following preference list for this RFP:

1. Region 3 – Region with the most existing contacts & historical experience
2. Region 1 – Region with the 2nd most existing contacts & historical experience, economically poor region that is in need of Brownfield redevelopment.
3. Region 4 – Perhaps the best sites for economic development, established relationship with the Brownfield Coordinator for the City of Indianapolis.
4. Region 2 – Good relationships with economic development groups
5. Region 5 – Some limited experience with Brownfield sites in this region
6. Region 7 – Contacts with developers in this region
7. Region 6 – Performed one Brownfield Grant in this region



5.0 CLIENT REFERENCES

IWM Consulting is providing the following references for this project:

1) Mr. James Conner, Town Manager

Town of Winamac

120 West Main Street

Winamac, Indiana 46996

(574) 946-3451

2) Mr. Dean Good, Secretary

Good Oil Company

RR#4 Box45A

Winamac, IN 46996

(574) 946-4863

3) Ms. Michele Dygan, Project Manager

Chevron Products Company

2300 Windy Ridge Parkway

Suite 800

Atlanta, GA 30339-5673

(770) 984-4127

4) Mr. Ron Dippo, Environmental Business Manager

BP Products North America, Inc.

2815 Indianapolis Boulevard

Whiting, IN 46394

(219) 473-3120

5) Kevin Merritt, Environmental and Petroleum Upgrades Manager

Circle K Midwest Division

315 Commons Mall

Columbus, IN 47201

(800) 844-8661 x 1206

6.0 OTHER

The staff at IWM Consulting has dedicated numerous “pro bono” hours assisting and educating political subdivisions on Brownfield issues. We have attended Town, City and County meetings, assisted political subdivisions in grant writing and have fielded countless phone calls and e-mails from citizens interested in Brownfield economic development. This effort has established a network of people across the state committed to Brownfield redevelopment. IWM Consulting will rely upon this network to assist in identifying possible sites in a given PRG Region. IWM Consulting understands the hurdles to economic development created by the public perception of Brownfield sites and takes pride in using science and hard work to manage risk and change perceptions.

Additionally, IWM Consulting is an active member and sits on the advisory board of Southern Indiana Rural Development Project (SIRD), a not-for-profit organization dedicated to improving economic development in 39 southern Indiana Counties. IWM Consulting also has a long term working



relationship with the Southern Indiana Development Commission (SIDC). In general, these organizations are located within PRG Regions 1 and 2. IWM Consulting also has a working relationship with the Kankakee-Iroquois Regional Planning Commission (KIRPC), which provides development and grant support for 6 western Indiana Counties., and the Center for Rural Outreach & Public Services, Inc. (CROPS). Both of these organizations are located in PRG Region 3.

The IWM Consulting staff has worked on one PRGI and four SAGI grants in PRG Region 1; three SAGI grants in PRG Region 2; two PRGI and three SAGI grants in PRG Region 3; one EPA funded Brownfield grant in PRG Region 4; one PRGI and one SAGI grant in PRG Region 5; and one SAGI grant in PRG Region 6.

7.0 IMPORTANT ADMINISTRATIVE INFORMATION

IWM certifies to the best of its knowledge that all information provided herein is accurate and complete. There are no existing or potential conflicts of interest relative to the performance of the contractual services resulting from this Request For Qualifications. Furthermore, there are no past and/or current relevant criminal investigations, pending litigation, regulatory or civil enforcement action against IWM.

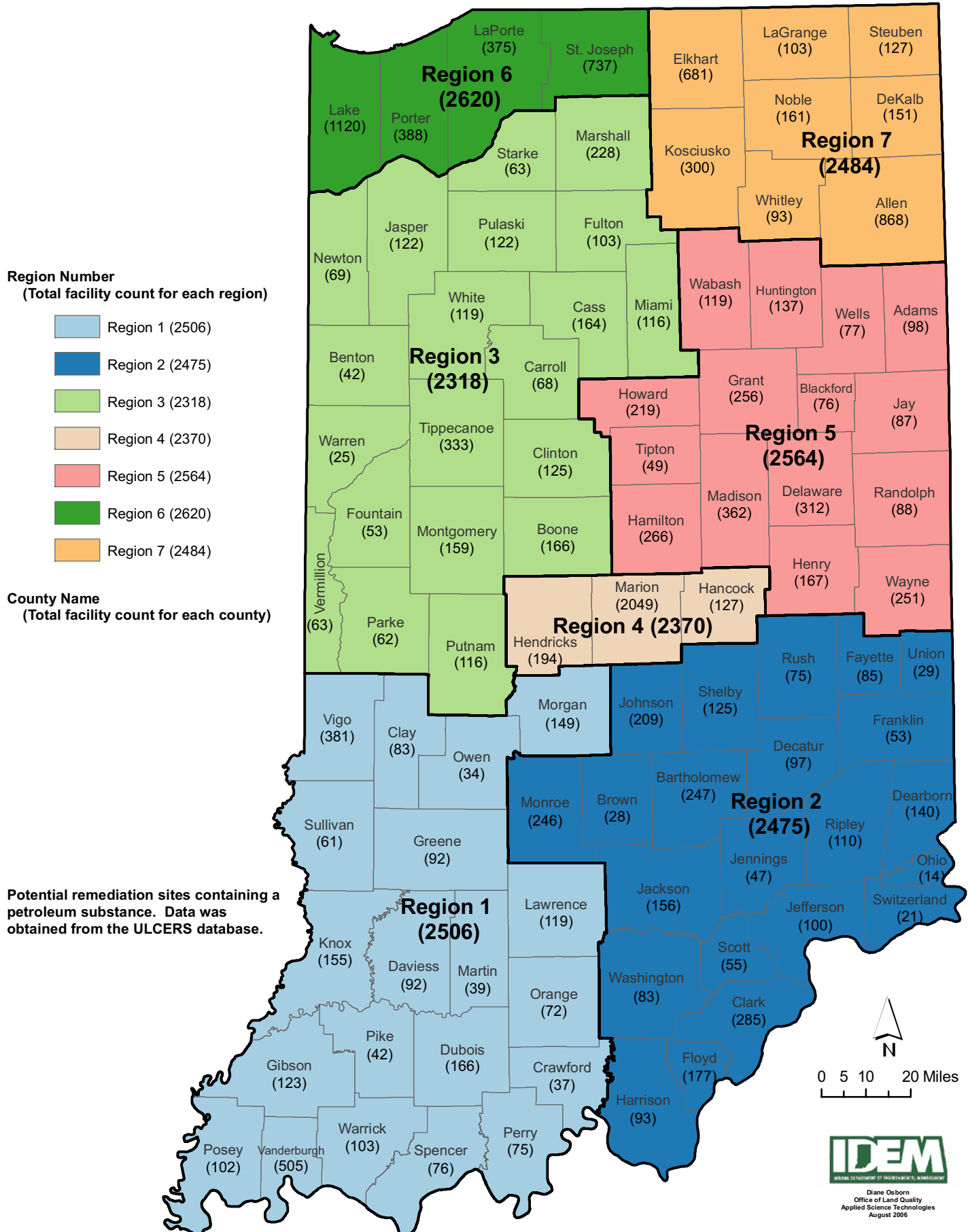


Appendix A

User Provided Information – PRG Regional Site Map



RFQ for Petroleum Remediation



Appendix B
IWM Personnel Resumes



**Professional
Qualifications:**

Mr. Gentry has approximately 12 years of professional experience in environmental consulting and has been located in the Indianapolis, Indiana office for over 10 years. Mr. Gentry is a qualified All Appropriate Inquiry (AAI) Environmental Professional. His responsibilities include coordination and supervision of lower level staff members, report review, and development of site and state specific work plans and budgets.

Mr. Gentry performed portfolio management for a Major Oil company in the State of Indiana. Consequently, Mr. Gentry was the lead regulatory negotiator, the primary contact for retail remediation work, and performed financial tracking for approximately 120 retail gasoline stations and three bulk terminals.

Mr. Gentry's technical experience includes supervising and conducting site assessments, supervising, installing, and performing operation and maintenance activities on various types of remedial systems (combination air sparge & soil vapor extraction, dual phase extraction, oxygen infusion, and groundwater pump and treat), conducting soil gas surveys, RISC Trend Modeling, and financial tracking.

Education:

Bachelor of Arts, Geology, Hanover College, 1994
29 CFR 1910.120 40 Hour OSHA Health and Safety Training
ASTM Risk-Based Corrective Action Training for Petroleum Sites – Oct. 2005
Licensed Professional Geologist, State of Indiana - LPG #2165
Professional Geologist, State of Kentucky – Registration #KY- 2378
Professional Geologist, State of Pennsylvania – Registration #4699
Certified US T Professional, State of Michigan – CP #1082

Project Experience:

- **Phase I ESA Area Survey**

IWM Consulting was retained by the City of Indianapolis to complete a Phase I ESA Area Survey over a 520 square acre area, which included over 1,800 parcels. The purpose of the Area Survey was to identify Brownfield sites and Active Potential Sites of Concern. This information was gathered within a 30-day time period and presented to the City of Indianapolis. The funding for this Area Survey was provided by an USEPA Brownfield Grant. Mr. Gentry acted as the primary Point of Contact for this project and participated in the data evaluation and field activities.

- **Phase I Environmental Assessments**

Mr. Gentry has supervised and provided final QA/QC review of approximately 50 Phase I Environmental Assessments at various residential and commercial properties throughout Indiana and Illinois. Mr. Gentry has also managed a large scale (23) Real Estate Transaction Screening due diligence project that required the work to be completed within a one month turnaround time.

- **Phase II Environmental Assessments**

Mr. Gentry has conducted and/or supervised over 250 Phase II site assessments utilizing various site investigation methodologies.

- **RCRA Facility Management**

Currently providing senior level management of the operation and maintenance activities at a RCRA facility and providing recommendations regarding alternative remedial activities. Mr. Gentry has been involved with this project since 1996.

- **Superfund Facility Experience**

Performed two soil gas surveys at a Superfund site located in central Indiana, which were integral to the final remediation system design. Mr. Gentry has also been involved with operation and maintenance activities at two different Superfund facilities.

- **Bedrock Investigation and Remediation Experience**

Supervised the installation of several monitoring wells completed in bedrock. Additionally, Mr. Gentry analyzed data collected during a dual phase extraction pilot study at the retail petroleum LUST site and provided recommendations for the design of a mobile remediation unit.

Managed the installation and operation of a mobile remediation unit utilized to remediate a dissolved and liquid phase hydrocarbon plume that had impacted over a dozen-residential/commercial properties. Mr. Gentry currently provides Senior level project management for this project.

- **Remedial System Installation Experience**

Supervised installation of a groundwater recovery and a high vacuum dual phase extraction system at several retail gasoline service stations.

- **Regulatory Pilot Study Experience**

Supervised a subsurface investigation at a retail gasoline service station at the request of the Indiana Department of Environmental Management (IDEM). The information obtained was utilized by IDEM and incorporated as part of a pilot study project involving the proposed risk integrated system of cleanup (RISC) regulations.

- **Bulk Terminal Facility Management**

Performed subsurface investigations at three bulk terminals and one retail gasoline service station utilizing the cone penetrometer drilling method. The investigations resulted in a re-design of the current remedial technologies saving the client approximately \$500M in remedial system upgrades.

Provided daily coordination and management activities associated with the operation and maintenance of a combination groundwater pump & treat (1,500 gpm +), SVE/AS, and LPH recovery system at a bulk terminal facility in northern Indiana. The project also included the quarterly sampling and reporting of over 70 private water wells (industrial and residential).

- **Soil Gas Survey/Vapor Intrusion Experience**

Conducted soil gas surveys at several properties in Indiana to determine if vapor intrusion risks exist at the properties. Duties included installation of soil gas sampling points, collection of soil gas samples, evaluation and modeling of the data.

- **Regulatory Advocacy**

Successfully negotiated reimbursement for a LUST site that previously was not reimbursable and was working under a Notice of Violation with the State of Indiana.

Successfully worked in partnership with two Major Oil companies and IDEM regarding the approval and implementation of a RISC pilot project for a co-mingled plume that has adversely affected a third party property.

Successfully obtained over 50 No Further Action letters for various LUST sites from IDEM since 1997.

Professional Affiliations:

Member, Indiana Geologists

**Professional
Qualifications:**

Mr. Rohan is Project Manager for IWM Consulting Group, LLC (formerly Handex), located in Indianapolis, Indiana. Mr. Rohan has 12 years of professional experience and is a qualified All Appropriate Inquiry (AAI) Environmental Professional. His responsibilities include preparation of technical reports (CAPs, Phase I and Phase II Site Assessments, UST Investigations, Brownfield programs and VRP investigations) and project oversight of several site characterization studies. Additional responsibilities include advocacy activities with state regulatory agencies regarding site reviews and closure.

Currently, Mr. Rohan works with City and County Economic Development Commissions to develop and write grants for potential Brownfields Stipulated Assessment Grant Incentive (SAGI) and Petroleum Remediation Grant Incentive (PRGI) site locations. Additionally, Mr. Rohan has managed four IDEM State Cleanup Division/IFA sponsored brownfield site locations one of which was a Petroleum Remediation Grant Incentive (PRGI) facility.

Education:

B.A. Biology/Business Management, Indiana University, 1989
M.S. Environmental Science, Indiana University, 1994
Certified Hazardous Materials Manager-Institute of Hazardous Materials Management
29 CFR 1910.120 40-OSHA Health and Safety Training
Indiana Asbestos Building Inspector License No. 191718081
Illinois Asbestos Professional License No. 100-10883

Project Experience:

- **Phase I ESA Area Survey**

IWM Consulting was retained by the City of Indianapolis to complete a Phase I ESA Area Survey over a 520 square acre area, which included over 1,800 parcels. The purpose of the Area Survey was to identify Brownfield sites and Active Potential Sites of Concern. This information was gathered within a 30-day time period and presented to the City of Indianapolis. The funding for this Area Survey was provided by an USEPA Brownfield Grant. Mr. Rohan acted as the Environmental Professional for this project and participated in the data evaluation and field activities.

- **Phase I Environmental Site Assessments**

Environmental assessments are geared toward future AAI or ASTM E1527-05 requirements. Mr. Rohan has investigated of over 300 sites within the Midwest and Florida. Assessments were conducted at various residential or commercial/industrial facilities for due diligence purposes. Phase I Assessments included review of all applicable regulatory databases including but not limited to aerial photographs, land title records, topographic maps, city/county directories, zoning/land use records, Sanborn maps, wetland maps, wellhead protection inquiries, and other pertinent records as needed. Completed over 30 Indiana Responsible Property Transfer Law Environmental Disclosure forms for Amoco Oil Company. Conducted and supervised 23 expedited Phase I ESA Transaction Screens in accordance with ASTM 1528-00.

- **Phase II Site Investigations**

Conducted over 75 Phase II Site Investigations at various commercial/industrial facilities throughout the Midwest region which included on-site supervision and report preparation duties. Phase II Site Investigation activities included all aspects of site coordination/scheduling, soil boring/monitoring well installation, soil/groundwater collection and submittal, and report preparation including remediation strategies.

- **Leaking Underground Storage Tank Responsibilities**

Managed all site coordination/scheduling activities, initial site investigation work, soil boring/monitoring well installation, quarterly groundwater sampling events, remediation system operation and maintenance, soil excavation activities, in-situ bioremediation activities, and all reporting requirements for more than 25 sites.

- **Hazardous Waste Landfill Closure**

Managed a site investigation, closure sampling program and final RCRA closure reporting of a hazardous waste landfill in Fort Wayne, Indiana. Grid sampling conducted throughout service roads/staging areas for heavy metals and other necessary constituents.

- **Voluntary Remediation Program**

Completed Remediation Work Plan for a former service station in Evansville, Indiana regarding petroleum impacted soil. Completed Remediation Work Plan for a dry cleaner facility in Indianapolis, Indiana with volatile organics in soil and groundwater (PCE and constituents). Currently, working on attaining Covenant Not To Sue and Certificate of Completion from the Governor's Office and IDEM for the dry cleaner VRP facility in Indianapolis, IN.

- **Industrial Hygiene/Asbestos Surveys**

Conducted and managed over 50 asbestos surveys at retail service stations, multi-residential units and various commercial facilities. Supervised asbestos inspection at GE facility in Bloomington, Indiana. Conduct noise testing services and personnel air monitoring at industrial facilities.

- **SPCC Plan Management**

Conducted and supervised over 20 SPCC Plan modifications for a major oil company in Ohio, New York, Pennsylvania, Kentucky, West Virginia and Indiana.

- **Excess Liability Trust Fund (ELTF)**

Mr. Rohan has managed the Excess Liability Trust Fund (ELTF) reimbursement program for a major oil company (over 120 major oil service stations) in the state of Indiana, which has returned in excess of five million dollars to the client. Additionally, Mr. Rohan interacts and negotiates directly with the appropriate regulatory agencies to assist in the timely payment of ELTF claims.

Professional Affiliations:

Institute of Hazardous Materials Management, Board Director
Indiana Geologists

**Professional
Qualifications:**

Mr. Hurst is a senior engineer and has successfully managed numerous projects including food, chemical, industrial and environmental remediation projects. He has worked in the engineering and construction field for over 20 years and has a solid design, construction, and project management background. Mr. Hurst holds a Bachelor of Science degree in Building Construction from Auburn University and is a licensed professional engineer in the State of Illinois and Florida. His experience includes managing remedial design and construction projects involving soil vapor extraction, decontamination and demolition, low temperature thermal desorption, in-situ solidification and stabilization, UST removal and installation, groundwater pump and treat systems, preparation of SPCC plans and various projects in the Illinois Dry Cleaners fund.

Education:

B.S. Building Construction, Auburn University, Auburn, Alabama
Registered Professional Engineer in the states of Illinois and Florida
Registered Engineer, National Council of Engineering Examiners
Design of Hazardous Material Storage Facilities, University of Wisconsin
Liquid Storage Tank Technology, University of Wisconsin
OSHA 29 CFR 1910.120, Hazardous Waste Operations Training
First Aid, CPR, and Confined Space Entry

Project Experience:

- **ERM North Central**

Design and construction of mobile vacuum extraction equipment for conducting pilot tests. Full responsibility for preparing the budget, designing the equipment and controls, selecting and purchasing components and assembling the unit. Mr. Hurst developed an operation and maintenance manual, trained operators and supervised pilot tests at three locations.

- **Motorola, Franklin Park, IL**

Designed a soil vacuum extraction and air injection system to remediate contaminated soils beneath the floor of an occupied manufacturing facility. The system consisted of 72 pairs of shallow and deep extraction/injection wells, vacuum and injection blowers, dewatering wells and water storage facilities. Tasks included detailed design and specifications, bid package preparation, bid evaluation and subcontractor selection, construction oversight. This system was subsequently modified under Mr. Hurst's direction to handle 1000 gpd of extracted groundwater.

- **Beattie Explosives, Hayden Lake, IA**

Designed a soil vacuum extraction/injection system to remediate fuel oil contaminated soils beneath two previously removed UST's at an explosives manufacturing facility. Contamination had reached a depth of 30 feet due to the sandy soil in the area. The design consisted of eight wells and packaged extraction/injection equipment with sound attenuation enclosures and explosion proof controls. Mr. Hurst's involvement included design, specifications, quotation analysis and purchasing of equipment, and preparation of an operations and maintenance manual. The Owner contracted directly for the installation of the system.

- **CBS Inc., Terre Haute, IN**

Phase I of the clean-up at a former vinyl record manufacturing facility consisted of

asbestos abatement, decontamination and encapsulation of interior building surfaces, demolition of pipe racks, and removal of sludge from trenches and sumps. An adjacent portion of the facility had been converted to office space and was occupied during the clean-up activities. A large portion of the demolition work consisted of removing pipe racks in tunnels that required confined space entry procedures. Much of the piping contained flammable hydraulic fluid that had to be drained and recovered for recycling. Mr. Hurst was responsible for developing plans and specifications that included extensive health and safety requirements, preparation of the bid packages, evaluation and selection of subcontractors, subcontractor scheduling, subcontractor negotiations and change order preparation, field oversight, and preparation of a final report.

Phase II of the above project addressed exterior contamination including removal of 5 UST's, cleaning and demolition of three underground concrete vaults and five sump pits, PCB decontamination at four transformer locations, decontamination and complete demolition of the hydraulic fluid storage facility, and excavation of contaminated sewer lines. Responsibilities were similar to those listed for Phase I above.

Phase IV included sediment excavation in a 1.5 acre storm water retention pond. The design included by-pass pumping for an 84-inch storm water line, construction of a sediment containment area, decontamination facilities, and site restoration. Although excavation of the sediment was scheduled during a two-day dry period, an unexpected thunderstorm interrupted the work. Mr. Hurst developed the contingency plan that prevented the disturbed sediments from contaminating the stream that the pond discharges to. In addition to the contingency plan, drawings and specifications, Mr. Hurst also developed a waste handling plan that included options for handling unknown conditions in the pond sediments, including debris, free oil, and dewatering.

- **Sun Chemical Corp., Cicero, IL**

A former ink manufacturing facility required decontamination and demolition prior to property transfer. Mr. Hurst's involvement included site assessment, preparation of drawings, specifications, waste handling plan, health and safety requirements, and bid package preparation.

- **Continental White Cap, Chicago, IL**

Designed a soil vacuum extraction/injection system to remediate VOC contaminated soils beneath three previously abandoned-in-place USTs at a cap manufacturing facility. The design consisted of ten wells and the extraction equipment. As project manager, Mr. Hurst prepared the conceptual and detail design, drawings, and specifications. The Owner contracted directly for the installation of the system.

- **Advertising Metal Displays, Cicero, IL**

Pursuant to a property transfer agreement, the former owner of this facility was required to remediate three separate areas of the facility. A soil vacuum extraction system was designed to remove VOC's surrounding four abandoned UST's located inside a solvent storage facility that was still in use. Fuel oil surrounding two UST's in the boiler room and VOC's beneath an exterior concrete slab were also

remediated by vacuum extraction. The entire system was designed and installed to minimize any disturbance to the current owners operations. Mr. Hurst was responsible for developing plans and specifications, preparation of the bid packages, evaluation and selection of subcontractors, subcontractor scheduling, subcontractor negotiations and change order preparation, and field oversight.

**Professional
Qualifications:**

Mr. Parks is a Project Hydrogeologist for the IWM Consulting Group office located in Indianapolis, Indiana. He has approximately 7 years of professional experience in the environmental remediation field. His field of expertise is hydrogeology and subsurface delineation and remediation of petroleum hydrocarbons. Mr. Parks is a Qualified AAI Environmental Professional. Mr. Parks is a Licensed Professional Geologist in the State of Indiana and Kentucky. His managerial duties include technical report writing, Excess Liability Trust Fund (ELTF) application preparation and review, high profile site management, client relations, and marketing.

Mr. Parks' technical experience includes supervising and conducting Phase I Environmental Site Assessments, Phase II Site Assessments, subsurface investigations at leaking underground storage tank sites, Risk Integrated System of Closure (RISC) utilization, various corrective action plan designs and implementations including: various remedial system installations and operations, enhanced bio-remediation, and monitored natural attenuation. Mr. Parks also has experience conducting soil vapor surveys, cone penetrometer surveys, and geophysical surveys.

Education:

Bachelor of Science, Geology, Indiana University - Bloomington, 2000
29 CFR 1910.120 40 Hour OSHA HAZWOPER and 8 Hour Refreshers
29 CFR 1910.146 Permit Required Confined Space Training
ASTM Risk-Based Corrective Action Training for Petroleum Sites – Oct. 2006
Licensed Professional Geologist, State of Indiana (#2169)
Licensed Professional Geologist, Commonwealth of Kentucky (#2371)
Licensed General Contractor in Marion County, Indiana

Project Experience:

- **Phase I ESA Area Survey**

IWM Consulting was retained by the City of Indianapolis to complete a Phase I ESA Area Survey over a 520 square acre area, which included over 1,800 parcels. The purpose of the Area Survey was to identify Brownfield sites and Active Potential Sites of Concern. This information was gathered within a 30-day time period and presented to the City of Indianapolis. The funding for this Area Survey was provided by an USEPA Brownfield Grant. Mr. Parks acted participated in the historical research, data evaluation, and field activities.

- **Phase I Environmental Site Assessments**

Mr. Parks has completed numerous Phase I Environmental Site Assessments at various residential or commercial/industrial facilities for due diligence purposes. Phase I Assessments included review of all applicable regulatory databases including but not limited to aerial photographs, land title records, topographic maps, city/county directories, zoning/land use records, Sanborn maps, wetland maps, wellhead protection inquiries, and other pertinent records as needed. Assessments are geared toward future All Appropriate Inquiry requirements.

- **INDOT Site Assessment/CAP Development**

Mr. Parks oversaw the completion of a site assessment and developed a RISC Corrective Action Plan for a property which INDOT had acquired during the expansion of Brookville Road (US 52), located in Indianapolis, IN. The site was a former retail fueling facility in which several new storm and sanitary sewer lines were to be located. Mr. Parks supervised UST and oil water separator removal, over-excavation of petroleum impacted soils, soil boring installation, and dewatering activities.

- **LUST Site Investigations**

Completed approximately 60 site assessments. Site assessments include initial site

characterization activities, baseline divestment and acquisition assessments, and petroleum hydrocarbon plume delineation assessments. Additionally, Mr. Parks has supervised UST system removals, petroleum impacted soil over-excavations, and ORC injections.

Successfully obtained 8 No Further Action letters for various LUST sites from IDEM since 1999.

- **ELTF Site Management**

Mr. Parks currently manages 11 sites in the ELTF Program. Mr. Parks prepares and reviews Excess Liability Trust Fund applications prior to their submittal to the ELTF Program for reimbursement. Mr. Parks is intimately familiar with the current and proposed ELTF guidelines and requirements.

- **Remedial System Management**

Currently provides daily coordination and management activities of four high-vacuum dual-phase extraction remedial systems, of which three of the HVDPE systems are in the ELTF Program. Management of the remediation system includes personnel scheduling, system optimization, state regulatory agency reporting and correspondence, and technical report development and ELTF application preparation.

- **RCRA Facility Management**

Has managed the operation and maintenance activities at a RCRA facility and provided recommendations regarding alternative remedial approaches to close the facility. The RCRA facility utilizes a groundwater pump and treat remedial system to mitigate dissolved chlorinated compounds.

- **LUST Site Management – Co-mingled Plumes**

Currently assisting with the remedial activities between two Major Oil companies who are working together to implement a RISC corrective action plan at two sites with co-mingled petroleum hydrocarbon plumes which has adversely affected a third party property. These sites are also in the Excess Liability Trust Fund Program.

- **Bulk Terminal Facility, Granger, Indiana**

Mr. Parks assisted in the site management of a major oil terminal located in Granger, Indiana. Site management duties included corresponding with state regulatory agency officials, off-site property owners, various subcontractors, personnel management, data evaluation, and technical report development.

Rose-Hulman Institute of Technology - Terre Haute, Indiana (1994-1996). Completed a broad field of engineering courses.

Indiana University - Bloomington, Indiana (1998-1999). Completed Environmental Geology field course as well as an Advanced Hydrogeology field course.

Other Experience:

Professional Affiliations:

Member of Indiana Geologists

**Professional
Qualifications:**

Mr. Kassab has been employed by engineering and consulting firms for the past 14 years. Specific experience includes: health and safety training; wastewater treatment system operation and compliance; operation and maintenance remedial systems; NPDES permitting and compliance; air permitting and compliance. Environmental and geotechnical drilling supervision; underground storage tank assessments and closures; supervision of engineered cut and fill operations for residential, recreational, and industrial developments.

He is responsible for management, sampling, compliance and maintenance of industrial wastewater treatment systems throughout Indiana. He is responsible for the compliance and maintenance of an active Superfund facility. His management responsibilities include interaction with clients to coordinate project activities, budget maintenance and negotiations with regulatory agencies. Development of site-specific remedial action plans. His daily responsibilities include project coordination, supervision/training of technicians, report preparation, and assistance with the design and installation of soil and groundwater remediation systems. He also coordinates sampling, transport and disposal of hazardous and non-hazardous waste.

Education:

B.S. Geological Sciences, Penn State University 1985
40 Hour OSHA Certification
8 Hour OSHA Refresher

Projects Experience:

- **Industrial**

Operator in responsible charge of wastewater discharge at a manufacturing facility. Responsible for operation and maintenance, process controls, compliance sampling, and permit compliance of the on site treatment system under the local pre-treatment program. Coordinates indoor air quality monitoring at the facility on a seasonal and as needed basis.

- **Superfund Site**

Operated two groundwater treatment systems to accommodate dewatering activities during excavation of impacted soils. Assisted in installation and was responsible for compliance, sampling, and operation and maintenance of groundwater treatment and soil vapor extraction systems. Recently supported pilot studies for remedial design and assisted with the design of the next project phase. Currently refurbishing water treatment system for next phase of the project.

- **Brownfields**

Active in promoting Brownfields redevelopment to political subdivisions throughout the State of Indiana. Assisted several communities through the grant application process. Managed several Brownfields redevelopment grant procurement projects in Indiana.

- **Government**

Project Hydrogeologist/Project Manager for underground storage tank closures, which included permitting and installation of a temporary land treatment cell for petroleum hydrocarbon contaminated soils removed during storage tank closures. Recently received "No Further Action Status" from IDEM on the facility and land treatment cells.

Managed the closure of an above ground storage tank containing Sulfuric Acid at a correctional facility.

- **Major Oil Companies**

Project Hydrogeologist/Project Manager responsible for the coordination of Phase II investigations, evaluation and design of remedial corrective action programs, and managing regulatory compliance of multiple facilities within the IDEM Leaking Underground Storage Tank, Risk Integrated System of Closure, and Voluntary Remediation Programs throughout the State of Indiana. He has prepared IDEM-approved Corrective Action Plans for the remediation of soil and groundwater with the various remedial technologies.

Professional Affiliations:

Air and Waste Management Association – Indiana Chapter
Indiana Rural Development Council
Indiana Water and Environment Association – Board Member
Licensed Professional Geologist – Indiana
Wastewater Treatment Plant Operator – Class C
Southern Indiana Rural Development Project

**Professional
Qualifications:**

Mr. Scarpone is the Director of Environmental Services for IWM Consulting located in Indianapolis, Indiana. Mr. Scarpone has over eighteen years of professional experience in environmental consulting. His experience includes the regional management five environmental offices, supervision of numerous subsurface investigations, remediation design, remediation system installation and operations and maintenance. He has a working knowledge of the unconsolidated and bedrock geology of Indiana, specializing in subsurface mapping.

Education:

Master of Science, Geology, Ball State University, 1997
B.S., Earth Sciences, University of Indianapolis, 1984
29 CFR 1910.120 40 Hour OSHA Health and Safety Training

Project Experience:

- **Regional Project Management**

Managed five offices performing work in seven Midwest States. Responsible for P & L, human resources, sales & marketing and technical aspects for the offices. The Midwest Region generated approximately \$20 Million in gross revenue over the last three years providing our clients with excellent service.

- **Portfolio Project Management**

Portfolio Management Team for a major oil company managing all environmental compliance issues in Indiana. This includes the project management of over 120 retail gasoline stations and three bulk terminals. The Portfolio management included the completion of multiple subsurface investigations, station upgrades and optimization of multiple remediation systems. Remediation technologies included groundwater pump and treat, air sparge and soil vapor extraction, bioventing, vacuum dewatering, and dual phase extraction.

- **Phase I ESA Area Survey**

IWM Consulting was retained by the City of Indianapolis to complete a Phase I ESA Area Survey over a 520 square acre area, which included over 1,800 parcels. The purpose of the Area Survey was to identify Brownfield sites and Active Potential Sites of Concern. This information was gathered within a 30-day time period and presented to the City of Indianapolis. The funding for this Area Survey was provided by an USEPA Brownfield Grant. Mr. Scarpone participated in the data evaluation and field activities.

- **Environmental Construction Project Management**

Project Manager of Superfund RRA in Indiana with a budget of 4 million dollars. The RRA included final design, earthwork, construction and operation of the largest soil vapor extraction system in Indiana.

- **Brownfield Project Management – Vincennes, IN**

Project Manager for SAGI Brownfield Grant. Assisted community in applying for and receiving grant money. Project involved Phase II assessment of a former bulk plant. Long term goals are to establish a historical city park on the property.

- **Bedrock Assessment Project**

Directed deep aquifer project for the Indiana Geological Survey. He utilized packers to sample discrete stratigraphic units at various depths. The pilot study was used to assist policy decision making regarding reinjection wells

- **Subsurface Stratigraphy Project**

Conducted baseline environmental study for major airline at proposed maintenance facility. The study defined and classified hydrostratigraphic units within glacial deposits beneath the site.

- **Brownfield Grants – Phase II Projects**

Managed several Brownfield Phase II investigations for various communities in Indiana. Assisted the communities in applying for and receiving grant money to fund the projects. Several sites have been redeveloped, adding jobs and tax revenues for the communities.

Professional Affiliations:

Former President - Indiana Geologists
Former Board of Directors – Professional Geologists of Indiana
Licensed Professional Geologist Indiana Certification No. 2030
Alumni Advisory Board - BSU Geology Department
Ball State University – Instructor of Geology

**Professional
Qualifications:**

Mr. Smith has approximately 14 years of professional experience in landfill and environmental consulting and has been located in the Indiana market for over 12 years. Mr. Smith spent over 10 years as the sales manager for Waste Management for all Landfills in Indiana. Managed 10 landfills in Indiana and Illinois for business development, including Adams Center Subtitle C facility, had revenue responsibility of over 80 million annually in transportation and disposal. Mr. Smith also has 3 years experience as business development manager for one of the largest environmental consulting companies in Indiana.

Mr. Smith performed transportation and disposal management for over 1,000 projects in Indiana.

Education:

Bachelor of Science, Animal Science/Agribusiness, Purdue University 1987
29 CFR 1910.120 40 Hour OSHA Health and Safety Training
Advanced Hazardous Materials Manager
Certified CPR and First Aid

Project Experience:

- **Transportation and Disposal Management for Major Oil Companies**

Mr. Smith has provided transportation and disposal options for most major oil companies such as: Shell Oil, Speedway, Marathon, BP, Clark and many other regional and independent retail gas providers.

- **Transportation and Disposal for Superfund Projects**

Mr. Smith has provided transportation and disposal options for many Superfund projects in the state of Indiana, some projects have exceeded 100,000 tons in disposal. Examples are: Augustus Hook, Frankfort, Avanti, Indianapolis, Continental Steel, Kokomo, Union City Lear PCB Clean-up, Uniroyal, Mishawaka.

- **Transportation and Disposal for Industrial Waste Companies**

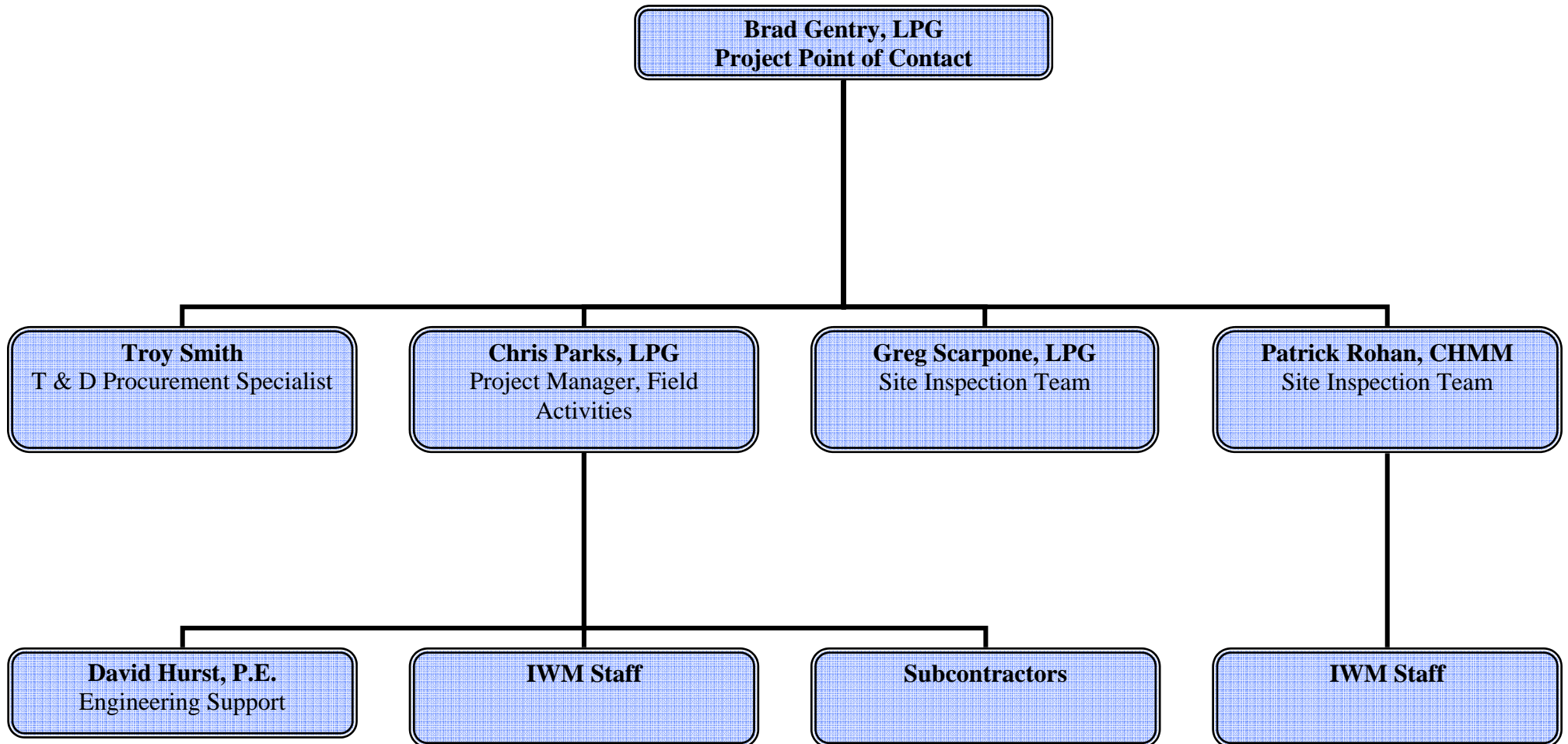
Provided transportation and disposal solutions for many Industrial customers such as: Daimler Chrysler facilities, Nucor Steel, Olin Brass, Visteon and many more.

- **Transportation and Disposal for Transfer Stations**

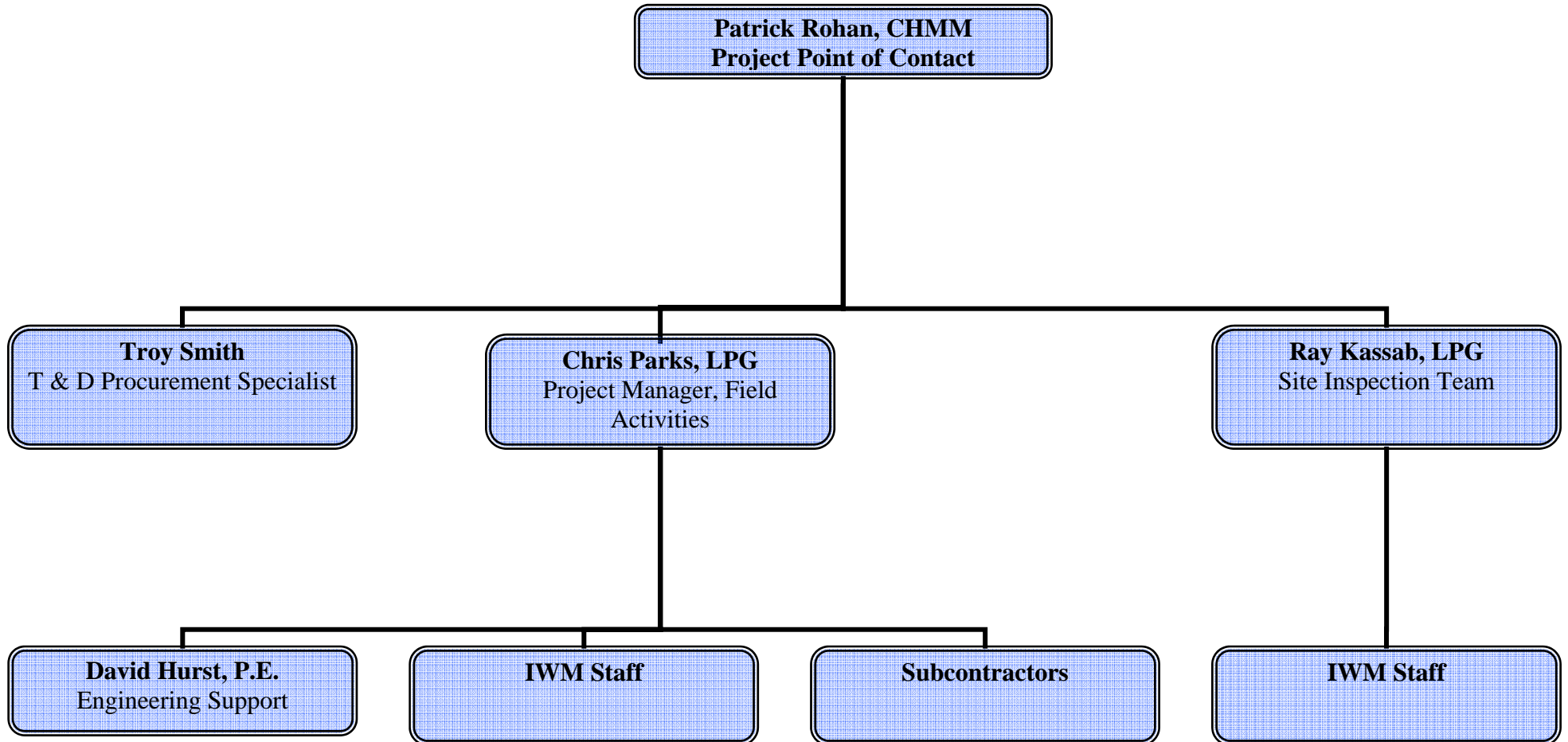
Provided transportation and disposal for Independent transfer stations such as: Martinsville Transfer, Pulaski County Transfer and Boone County Resource Recovery Systems Transfer.

Appendix C
Organizational Charts

**IWM Consulting Group, LLC
Organizational Chart
If Awarded One PRG Region**



**IWM Consulting Group, LLC
Organizational Chart
Additional Project Team
If Awarded Second PRG Region**



Appendix D

Labor Rates & Unit Cost Estimates (Per Region)



IFA Remediation Services Proposal
Petroleum Remediation Grant Brownfield Sites
Regions 1 through 7
State of Indiana

November 3, 2006

Table 1 Site Identification Activities		
Professional Staff	Unit	Rate
Senior Project Manager	Hour	\$102.00
Professional Engineer	Hour	\$83.00
Project Manger	Hour	\$83.00
Staff Project Person	Hour	\$70.00
Senior Technician	Hour	\$55.00
Technician	Hour	\$38.00
CADD Operator	Hour	\$35.00
Administrator	Hour	\$25.00

IFA Remediation Services Proposal
 Petroleum Remediation Grant Brownfield Sites
 Regions 1 through 7
 State of Indiana

November 3, 2006

Table 2 Unit Rates Applicable for all Regions							
Professional Staff	Rate	Misc. Equipment Rental	Rate	Laboratory Parameters*	Rate	Other	Rate**
Senior Project Manger	\$102.00	Vehicle/day	\$100.00	BTEX/MTBE+n-Hexane+cPAH+Naphthalene	\$110.00	Shipping Samples & Reports	\$50.00
Professional Engineer	\$102.00	FID/day	\$100.00	BTEX/MTBE+n-Hexane+Naphthalene	\$33.00	Private Utility Locates	\$110/hr
Project Manger	\$83.00	PID/day	\$75.00	Fractional TPH (VPH & EPH)	\$302.50	Hotel Room/day	\$75.00
Staff Project Person	\$70.00	Interface Probe/day	\$55.00	BTEX/MTBE	\$33.00	Per Diem/day	\$30.00
Senior Technician	\$55.00	DTW meter/day	\$12.00	TPH-GRO	\$22.00	Off-site ROW Permitting	See Below
Technician	\$38.00	Disposable Bailers/each	\$10.00	TPH-DRO	\$22.00		
CADD Operator	\$35.00	Rope/feet	\$0.15	TPH-ERO/DRO	\$38.50		
Administrator	\$25.00	Gloves/pair	\$0.50	TPH-GRO+ERO/DRO	\$55.00		
		Survey Equipment/day	\$50.00	8 RCRA Metals	\$71.50		
		Distilled Water/gallon	\$2.25	Individual Metals	\$9.00		
		Kurz Meter/day	\$15.00	UST Metals	\$66.00		
		DO Meter/day	\$35.00	PAH or cPAH	\$77.00		
		Ice/bag	\$2.00	Total VOC	\$71.50		
		Baggies/each	\$0.17	Total SVOC	\$159.50		
		Paper Towels/roll	\$1.00	PCB	\$77.00		
		Activated Carbon/lb	\$1.50	TCLP Lead	\$66.00		
		Low Flow Sampling Apparatus	\$250.00	TCLP Benzene	\$104.50		
				Paint Filter	\$11.00		
				Flashpoint	\$27.50		
				Corrositivity	\$11.00		
				Percent Moisture	No Charge		
				TerraCore Samplers	\$2.00		
				Tared Vials	\$1.00		

*All prices include standard 7-business day TAT, sample containers with preservatives and coolers, Level II QA/QC documentation, reports in hard copy and electronic format. Ten percent mark-up has been added to each analytical parameter.

**If applicable, off-site permitting costs for the installation of soil borings or monitoring wells will be the unit rate of a staff position plus 10%.

IFA Remediation Services Proposal
 Petroleum Remediation Grant Brownfield Sites
 Regions 1 through 7
 State of Indiana

November 3, 2006

Table 3 Specific Region Unit Rates*			
Regional Costs	Region 1 - Southwest	Region 2 - Southeast	Region 3 - Central Northwest
UST System Removal (<5,000 gallons)	\$1,575 - \$4,150	\$1,575 - \$4,150	\$1,360 - \$4,150
UST System Removal (>5,000 gallons)	\$1,750 - \$7,850	\$1,750 - \$7,850	\$1,520 - \$7,850
Petroleum Impacted Soil Disposal	\$22.50/ton - \$29.75/ton	\$24.00/ton - \$29.75/ton	\$17.50/ton - \$25.00/ton
Petroleum Impacted UST Contents Disposal and Transportation	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr
Drum Removal and Disposal	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum
Vacuum Truck Transportation & Disposal	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.
Solid Waste Disposal	\$20.00/ton - \$28.50/ton	\$20.00/ton - \$28.50/ton	\$15.00 - \$25.00/ton
Transportation to Landfill	\$75.00/hr - \$85.00/hr	\$75.00/hr - \$80.00/hr	\$75.00/hr - \$85.00/hr
Fuel Surcharge	3.0% - 3.5%	3.0% - 3.5%	3.0% - 3.5%
Backfill and Transportation	\$12.00/ton - \$15.00 /ton and \$35/hr (labor)	\$12.00/ton - \$15.00 /ton and \$35/hr (labor)	\$12.00/ton - \$15.00 /ton and \$35/hr (labor)
Geoprobe (Drilling)	\$1,200/day - \$1,420/day	\$1,200/day - \$1,420/day	\$1,200/day - \$1,420/day
Geophysical Survey	\$1,950 - \$2,450	\$1,950 - \$2,450	\$1,950 - \$2,450
Monitoring Well Installation (<20 ft.)	\$910 - \$1,080	\$910 - \$1,080	\$910 - \$1,080
Monitoring Well Installation (20-30 ft.)	\$1300 - \$1,520	\$1300 - \$1,520	\$1300 - \$1,520
Monitoring Well Installation (31-45 ft.)	\$1900 - \$2,240	\$1900 - \$2,240	\$1900 - \$2,240
Monitoring Well Installation (45-60 ft.)	\$2,580 - \$2,890	\$2,580 - \$2,890	\$2,580 - \$2,890

*The above costs do not include Mob/Demob charges or Per Diem costs. Additionally, tank removal does not include backfill; however, tank removal does include one drum of residual sludge/product for disposal. Costs do not reflect a 10% mark-up.

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Table 3 (Continued) Specific Region Unit Rates*			
Regional Costs	Region 4 - Central	Region 5 - Central Northeast	Region 6 - Northwest
UST System Removal (<5,000 gallons)	\$1,400 - \$4,150	\$1,400 - \$4,150	\$1,280 - \$5,000
UST System Removal (>5,000 gallons)	\$1,600 - \$7,850	\$1,600 - \$7,850	\$1,680 - \$7,850
Petroleum Impacted Soil Disposal	\$17.50/ton - \$24.00/ton	\$13.25/ton - \$29.75/ton	\$17.50/ton - \$29.75/ton
Petroleum Impacted UST Contents Disposal and Transportation	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr
Drum Removal and Disposal	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum
Vacuum Truck Transportation & Disposal	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.
Solid Waste Disposal	\$10.00/ton - \$15.00/ton	\$15.00 - \$20.00	\$15.00 - \$25.00
Transportation to Landfill	\$75.00/hr - \$80.00/hr	\$75.00/hr - \$80.00/hr	\$75.00/hr - \$80.00/hr
Fuel Surcharge	3.0% - 3.5%	3.0% - 3.5%	3.0% - 3.5%
Backfill and Transportation	\$12.00/ton - \$15.00 /ton and \$35/hr (labor)	\$12.00/ton - \$15.00 /ton and \$35/hr (labor)	\$15.00 /ton - \$16.00/ton and \$35/hr (labor)
Geoprobe (Drilling)	\$1,200/day - \$1,420/day	\$1,200/day - \$1,420/day	\$1,200/day - \$1,420/day
Geophysical Survey	\$1,650 - \$2,150	\$1,950 - \$2,450	\$2,200 - \$2,700
Monitoring Well Installation (<20 ft.)	\$910 - \$1,080	\$910 - \$1,080	\$910 - \$1,080
Monitoring Well Installation (20-30 ft.)	\$1300 - \$1,520	\$1300 - \$1,520	\$1300 - \$1,520
Monitoring Well Installation (31-45 ft.)	\$1900 - \$2,240	\$1900 - \$2,240	\$1900 - \$2,240
Monitoring Well Installation (45-60 ft.)	\$2,580 - \$2,890	\$2,580 - \$2,890	\$2,580 - \$2,890

*The above costs do not include Mob/Demob charges or Per Diem costs. Additionally, tank removal does not include backfill; however, tank removal does include one drum of residual sludge/product for disposal. Cost do not reflect a 10% markup.

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Table 3 (Continued) Specific Region Unit Rates*	
Regional Costs	Region 7 - Northeast
UST System Removal (<5,000 gallons)	\$1,440 - \$4,150
UST System Removal (>5,000 gallons)	\$1,680 - \$7,850
Petroleum Impacted Soil Disposal	\$17.50/ton - \$29.75/ton
Petroleum Impacted UST Contents Disposal & Transportation	\$0.30 - \$0.80/gallon and \$100/hr - \$105/hr
Drum Removal and Disposal	\$79 - \$105/non haz. drum and \$105 - \$400/haz. drum
Vacuum Truck Transportation & Disposal	\$95.00/hr - \$100/hr and \$0.32/gal - \$2.25/gal non-haz. & \$2.25/gal - \$6.00/gal haz.
Solid Waste Disposal	\$10.00-\$20.00
Transportation to Landfill	\$75.00/hr - \$90.00/hr
Fuel Surcharge	3.0% - 3.5%
Backfill and Transportation	\$11.00/ton - \$15.00/ton and \$35/hr (labor)
Geoprobe (Drilling)	\$1,200/day - \$1,420/day
Geophysical Survey	\$2,200 - \$2,700
Monitoring Well Installation (<20 ft.)	\$910 - \$1,080
Monitoring Well Installation (20-30 ft.)	\$1300 - \$1,520
Monitoring Well Installation (31-45 ft.)	\$1900 - \$2,240
Monitoring Well Installation (45-60 ft.)	\$2,580 - \$2,890

*The above costs do not include Mob/Demob charges or Per Diem costs. Additionally, tank removal does not include backfill; however, tank removal does include one drum of residual sludge/product for disposal.

Appendix E

Petroleum Remediation Experience



Petroleum Remediation Experience Summary Table
IWM Consulting Group, LLC

Remedial Approach	Last 2 years (IWM established June 2006)	Overall Staff Experience	IWM Consulting Advantage
Soil Excavation	Teamed with E&B Paving for an INDOT project, supervised dig & haul along SR right-of way.	IWM staff have managed multiple dig & haul projects for BP, Amoco, ExxonMobil, Mac's Convenience Stores, Marathon, Dairy Mart, INDOT, various jobbers, and various private clients.	IWM can leverage our relationships within the industry to obtain optimum disposal pricing across the state.
In-situ soil vapor extraction	Currently performing O&M services at a Superfund site.	IWM staff have managed multiple SVE projects for BP, ExxonMobil and Marathon.	IWM staff has turnkey experience with SVE, design, installation & O&M.
Ex-situ soil treatment	No current active sites with this technology.	IWM staff have completed two land treatment cells under IDEM supervision and the sites subsequently received No Further Action status. Additionally, IWM staff has been involved with constructing a bio-remediation soil treatment cell at two different landfills.	IWM staff has turnkey experience with land treatment design, installation, O&M and confirmatory closure sampling.
GW extraction & treatment	IWM Consulting is currently operating three dual-phase remediation systems at petroleum contaminated sites in Indiana. Additionally, IWM Consulting is operating one groundwater pump & treat system at a RCRA facility.	IWM staff have managed multiple GW extraction systems for BP, Amoco, ExxonMobil, Mac's Convenience Stores, Marathon, various jobbers. IWM staff managed the O&M at a bulk terminal that was treating over 1,000,000 gallons per day.	IWM staff has turnkey experience with groundwater extraction system design, installation & O&M. IWM also has a licensed wastewater treatment operator on staff.
In-situ air sparging	No current active sites with this technology.	IWM staff have managed multiple air sparging projects for BP, Amoco, ExxonMobil, Marathon, and various jobbers.	IWM staff has turnkey experience with air sparging design, installation & O&M.
In-situ biological treatment	No current active sites with this technology.	IWM staff have experience using ORC and HRC to enhance biological treatment at petroleum and chlorinated solvent sites.	IWM assesses the bio-capacity of each site prior to designing enhanced biological treatment. This assures optimum results.
In-situ chemical oxidation	IWM has recently completed chemical oxidation injection project at a dry cleaner site. No current projects at petroleum sites.	IWM staff have experience with chemical oxidation technology at chlorinated solvent sites.	IWM leverages our relationships with injection contractors and chemical supply companies to obtain optimum pricing.
Phytoremediation	No current active sites with this technology	IWM staff was involved in one project with Marathon. Phytoremediation via poplar trees which provided hydraulic control of the hydrocarbon plume.	IWM leverages our relationships with contractors and prairie grass/tree supply companies to obtain optimum pricing.
GW containment/Barrier system	IWM supervised the installation of a thin-layered slurry wall at a Superfund site	IWM staff have experience at using GW pump & treat technologies to provide hydraulic control of hydrocarbon plumes.	IWM staff has experience with this technology at petroleum, RCRA and Superfund sites.
MNA/Risk Analysis	No current sites with on going MNA monitoring & sampling. IWM Consulting is currently managing 5 sites that are require RISC Trend Analyses and interpretation.	IWM staff have managed over 100 MNA projects for BP, Amoco, ExxonMobil, Mac's Convenience Stores, Marathon, and various jobbers.	IWM staff have MNA experience with multiple clients and has contaminant fate & transport modeling capabilities.
Free Product Removal	No current active sites with free product.	IWM staff have used permanent and mobile remedial technologies to remove free product from the subsurface.	IWM staff have the experience at small corner gas stations to operating the largest free product recovery system in Indiana at a bulk terminal.
Other (Oxygen Infusion)	No current projects. However, IWM Consulting recently received EPA approval for an Enhanced Bioremediation pilot study at a RCRA facility that involves degrading chlorinated aliphatic hydrocarbons by aerobic co metabolism.	IWM staff have experience will three sites that used oxygen infusion technology.	IWM staff have experience with obtaining partnerships with emerging technology companies to execute pilot studies at contaminated sites.